

Claims

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1. Plasticizer compositions for nitrocellulose based resins comprising (i) esters of fatty acids with 8 to 24 carbon atoms and isobutanol with the proviso that the fatty acids can be saturated or olefinically unsaturated, linear or branched and contain at least one epoxy group per molecule and (ii) one or more methyl esters of fatty acids with 16 to 18 carbon atoms with the proviso that these fatty acids can be saturated or olefinically unsaturated, linear or branched.
2. Compositions according to claim 1 with the proviso that the compositions are free of phthalic ester type plasticizers.
3. Compositions according to claim 1 or 2 with the proviso that the weight ratio of compounds (i) and (ii) is within the range 65 : 35 and 55 : 45.
4. Compositions according to claim 1 with the further proviso that the compositions contain exclusively compounds (i) and (ii).
5. The use of compositions comprising (i) esters of fatty acids with 8 to 24 carbon atoms and isobutanol with the proviso that the fatty acids can be saturated or olefinically unsaturated, linear or branched and contain at least one epoxy group per molecule and (ii) one or more methyl esters of fatty acids with 16 to 18 carbon atoms with the proviso that these fatty acids can be saturated or olefinically unsaturated, linear or branched as plasticizers for nitrocellulose based resins.
6. The use according to claim 5 with the proviso that the compositions are free of phthalic ester type plasticizers.
7. The use according to claim 5 or 6 with the proviso that the weight ratio of compounds (i) and (ii) is within the range 65 : 35 and 55 : 45.
8. The use according to claim 5 with the further proviso that the compositions contain exclusively compounds (i) and (ii).
9. Nitrocellulose based paints comprising (a) 100 parts by weight of at least one nitrocellulose resin, (b) 100 to 200 parts by weight of an alkyd resin and (c) 0,1 to 30 parts of a plasticizer composition comprising (i) esters of fatty acids with 8 to 24 carbon atoms and isobutanol with the proviso that

the fatty acids can be saturated or olefinically unsaturated, linear or branched and contain at least one epoxy group per molecule and (ii) one or more methyl esters of fatty acids with 16 to 18 carbon atoms with the proviso that these fatty acids can be saturated or olefinically unsaturated, linear or branched.

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10. Nitrocellulose based paints according to claim 9 with the proviso that these paints are free of phthalic ester type plasticizers.

11. Nitrocellulose based paints according to claim 9 with the proviso that the plasticizer compositions contain exclusively compounds (i) and (ii).

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